GE
Lighting Solutions

GEH-3772E

INSTRUCTIONS
POWR•GARD® LUMINAIRE

READ THOROUGHLY BEFORE INSTALLING

GENERAL

This luminaire is designed for application in hazardous location environments.

⚠ WARNING

Risk of electric shock
- Turn power off before servicing – see instructions

Make all electrical connections in accordance with the National Electrical Code and any applicable local code requirements.

THE OPERATING TEMPERATURE "T-CODE" LISTED FOR THIS LUMINAIRE IS BASED ON THE FOLLOWING BULB SIZES. USE OF OTHER THAN THESE MAY RESULT IN A HIGHER OPERATING TEMPERATURE AND COULD RESULT IN A HAZARDOUS CONDITION.

LAMP TYPE	WATTAGE	BULB SIZE
HIGH PRESSURE SODIUM	70,100,150	ED 23 1/2
HIGH PRESSURE SODIUM	250, 400	ED 18
METAL HALIDE/MERCURY	175, 250	ED 28
METAL HALIDE/MERCURY	400	ED 37

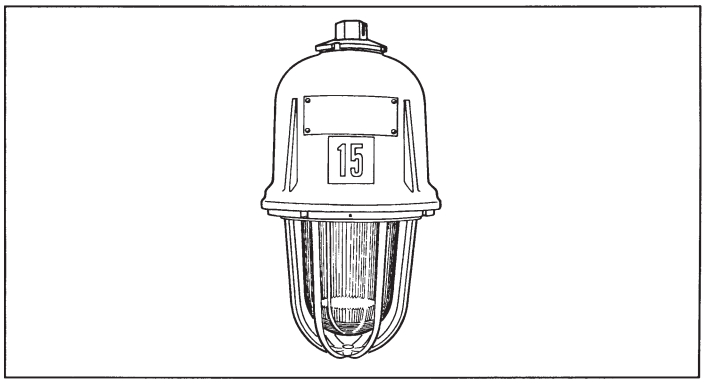
CAUTION: Check the operating temperature limits marked on the ballast assembly prior to installation to be sure it conforms to the environmental temperature restrictions and NEC classifications.

WARNING: TO PREVENT IGNITION OF HAZARDOUS ATMOSPHERES, DISCONNECT THE SUPPLY CIRCUIT FROM THE LUMINAIRE BEFORE RELAMPING, REMOVING, OR PERFORMING ANY MAINTENANCE.

UNPACKING

The ballast assembly and mounting fittings have been properly packed in separate cartons so that no parts should have been damaged during transit. Remove packing materials used to protect threads and inspect. **Do not attempt to assemble or use parts with damaged threads.**

Verify that supply voltage is correct by comparing it to nameplate.



INSTALLATION

⚠ CAUTION

Unit will fall if not installed properly
- Follow installation instructions

MOUNTING CONDUIT

Take the mounting hub and remove the electrical disconnect from it. Thread the mounting hub onto the conduit five threads minimum and tighten the set screw. Connect the ground lead to the screw provided in the mounting hub.

Connect the supply wires to the electrical disconnect according to the color coding labels if applicable. Refasten the disconnect into the mounting hub. See Figure A.

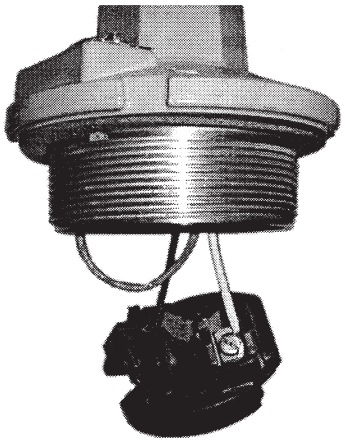


Figure A

MOUNTING STANCHION AND WALL BRACKET

For the stanchion arm, mount arm onto the conduit five threads minimum and tighten the set screw. For the wall bracket, attach bracket to the support surface through the

These instructions do not purport to cover all details or variations in equipment nor to provide for every possible contingency to be met in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to GE Lighting Solutions.

four clearance holes provided. Remove the electrical disconnect from the mounting hub and connect electrically as stated for conduit mounting.

MOUNTING SURFACE

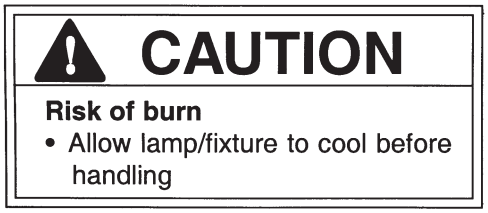
Attach the surface mounting box to the support surface through the four clearance holes provided. Remove the electrical disconnect from the mounting hub and connect electrically as stated for conduit mounting.

NOTE: Threads on the ballast housing to accept the above mountings are factory lubricated with General Electric Versalube G322L. Additional lubricant of the same type may be applied if necessary.

BALLAST HOUSING

Thread the ballast housing onto the hub. The electrical disconnect will automatically mate after five threads have engaged. Continue engaging until the housing is tightly threaded onto the hub and then tighten the set screw at the bottom of the hub.

LAMP INSTALLATION



Disconnect the power supply circuit before relamping. Loosen the set screw near the bottom edge of the ballast housing. Unthread the glass globe support ring which threads into the ballast housing. To assist in removing this globe ring, a screw driver can be inserted in the pry slots, or the globe ring can be loosened by lightly tapping on the globe ring ribs.

Use only lamps specified on nameplate. Observe lamp manufacturer's recommendations and restrictions on lamp operation, particularly ballast type, burning position, etc.

Damage may occur to the fixture if the lamp is inserted while power is on, or if the lamp is not tight in the socket when power is applied.

LAMP TIGHTNESS: The lamp should be securely inserted to the NEMA-EEI specified torque of 35 inch-pounds, which is best achieved by very firmly tightening to insure application of sufficient torque. Tightening must be sufficient to fully depress and load the center contact of the socket.

After lamp is installed, rethread globe ring into ballast housing until it firmly seats. Tighten set screw.

WARNING: GLOBE IS TEMPERED GLASS. DO NOT SCRATCH OR CHIP.

EXTERNAL REFLECTORS

A reflector, if used, is attached to the bottom of the globe ring with the three screws provided.

If a globe guard is on the unit, the reflector is attached using the same screws that hold the guard. These screws need only be loosened since the reflector is provided with keyhole slots.

If an angle reflector is used, orient the reflector with respect to the three screws so that the main light output is near the desired direction. After loosening the set screw the globe ring can then be slightly rotated to complete the reflector orientation. Then retighten the set screw.

MAINTENANCE

It will occasionally be necessary to clean the optical assembly in order to maintain the light level. Frequency of cleaning will depend on the dirt level in the user's facility and the minimum light level which is acceptable to him. The reflector should be cleaned with any suitable non-abrasive solution of water and soap or detergent. Residual cleanser should be removed by clean water rinsing. The glassware may be cleaned with any conventional glass cleanser.

GE Lighting Solutions is a subsidiary of the General Electric Company. Evolve and other trademarks belong to GE Lighting Solutions. The GE brand and logo are trademarks of the General Electric Company.
© 2011 GE Lighting Solutions. Information provided is subject to change without notice. All values are design or typical values when measured under laboratory conditions.

35-201578-47 (6/00)